

Ivan Zanoni

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

7,155
citations

81900

39
h-index

62596

80
g-index

105
all docs

105
docs citations

105
times ranked

12913
citing authors

#	ARTICLE	IF	CITATIONS
1	Innate Immune Pattern Recognition: A Cell Biological Perspective. <i>Annual Review of Immunology</i> , 2015, 33, 257-290.	21.8	1,133
2	CD14 Controls the LPS-Induced Endocytosis of Toll-like Receptor 4. <i>Cell</i> , 2011, 147, 868-880.	28.9	765
3	An endogenous caspase-11 ligand elicits interleukin-1 release from living dendritic cells. <i>Science</i> , 2016, 352, 1232-1236.	12.6	419
4	Type III interferons disrupt the lung epithelial barrier upon viral recognition. <i>Science</i> , 2020, 369, 706-712.	12.6	301
5	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. <i>Nature</i> , 2009, 460, 264-268.	27.8	279
6	Role of CD14 in host protection against infections and in metabolism regulation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 32.	3.9	201
7	A Contribution of Mouse Dendritic Cell-Derived IL-2 for NK Cell Activation. <i>Journal of Experimental Medicine</i> , 2004, 200, 287-295.	8.5	200
8	IFN- γ suppresses intestinal inflammation by non-translational regulation of neutrophil function. <i>Nature Immunology</i> , 2017, 18, 1084-1093.	14.5	195
9	COVID-19 and emerging viral infections: The case for interferon lambda. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	177
10	The interferon landscape along the respiratory tract impacts the severity of COVID-19. <i>Cell</i> , 2021, 184, 4953-4968.e16.	28.9	165
11	By Capturing Inflammatory Lipids Released from Dying Cells, the Receptor CD14 Induces Inflammasome-Dependent Phagocyte Hyperactivation. <i>Immunity</i> , 2017, 47, 697-709.e3.	14.3	149
12	Deciphering the complexity of Toll-like receptor signaling. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 4109-4134.	5.4	133
13	Mechanisms of Toll-like Receptor 4 Endocytosis Reveal a Common Immune-Evasion Strategy Used by Pathogenic and Commensal Bacteria. <i>Immunity</i> , 2015, 43, 909-922.	14.3	131
14	Endogenous oxidized phospholipids reprogram cellular metabolism and boost hyperinflammation. <i>Nature Immunology</i> , 2020, 21, 42-53.	14.5	112
15	Type III interferons: Balancing tissue tolerance and resistance to pathogen invasion. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	101
16	NEW EMBO MEMBER'S REVIEW: Dendritic cell regulation of immune responses: a new role for interleukin 2 at the intersection of innate and adaptive immunity. <i>EMBO Journal</i> , 2003, 22, 2546-2551.	7.8	100
17	Below the surface: The inner lives of TLR4 and TLR9. <i>Journal of Leukocyte Biology</i> , 2019, 106, 147-160.	3.3	97
18	Interferon (IFN)- γ Takes the Helm: Immunomodulatory Roles of Type III IFNs. <i>Frontiers in Immunology</i> , 2017, 8, 1661.	4.8	96

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19	Inflammasomes within Hyperactive Murine Dendritic Cells Stimulate Long-Lived T Cell-Mediated Anti-tumor Immunity. <i>Cell Reports</i> , 2020, 33, 108381.	6.4	86
20	Luminescent conjugates between dinuclear rhenium(i) complexes and peptide nucleic acids (PNA) for cell imaging and DNA targeting. <i>Chemical Communications</i> , 2010, 46, 6255.	4.1	83
21	Toll-like receptor co-receptors as master regulators of the immune response. <i>Molecular Immunology</i> , 2015, 63, 143-152.	2.2	83
22	Migratory, and not lymphoid-resident, dendritic cells maintain peripheral self-tolerance and prevent autoimmunity via induction of iTreg cells. <i>Blood</i> , 2012, 120, 1237-1245.	1.4	79
23	Central role of dendritic cells in the regulation and deregulation of immune responses. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 1683-1697.	5.4	78
24	Viral Respiratory Pathogens and Lung Injury. <i>Clinical Microbiology Reviews</i> , 2021, 34, .	13.6	76
25	Notch4 signaling limits regulatory T-cell-mediated tissue repair and promotes severe lung inflammation in viral infections. <i>Immunity</i> , 2021, 54, 1186-1199.e7.	14.3	71
26	Lambda interferons come to light: dual function cytokines mediating antiviral immunity and damage control. <i>Current Opinion in Immunology</i> , 2019, 56, 67-75.	5.5	70
27	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. <i>Seminars in Immunology</i> , 2017, 34, 61-67.	5.6	69
28	IL-15 cis Presentation Is Required for Optimal NK Cell Activation in Lipopolysaccharide-Mediated Inflammatory Conditions. <i>Cell Reports</i> , 2013, 4, 1235-1249.	6.4	66
29	TLR-Dependent Activation Stimuli Associated with Th1 Responses Confer NK Cell Stimulatory Capacity to Mouse Dendritic Cells. <i>Journal of Immunology</i> , 2005, 175, 286-292.	0.8	62
30	Regulation and dysregulation of innate immunity by <sc>NFAT</sc> signaling downstream of pattern recognition receptors (PRRs). <i>European Journal of Immunology</i> , 2012, 42, 1924-1931.	2.9	60
31	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor binding domain vaccine in aged mice. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	57
32	A novel bioactive peptide: assessing its activity over murine neural stem cells and its potential for neural tissue engineering. <i>New Biotechnology</i> , 2013, 30, 552-562.	4.4	56
33	Intersection of phosphate transport, oxidative stress and TOR signalling in <i>Candida albicans</i> virulence. <i>PLoS Pathogens</i> , 2018, 14, e1007076.	4.7	54
34	Regulation of antigen uptake, migration, and lifespan of dendritic cell by Toll-like receptors. <i>Journal of Molecular Medicine</i> , 2010, 88, 873-880.	3.9	53
35	Effects of dexamethazone on LPS-induced activation and migration of mouse dendritic cells revealed by a genome-wide transcriptional analysis. <i>European Journal of Immunology</i> , 2006, 36, 1504-1515.	2.9	51
36	Vaccination with filamentous bacteriophages targeting DECâ€205 induces DC maturation and potent antiâ€tumor Tâ€cell responses in the absence of adjuvants. <i>European Journal of Immunology</i> , 2011, 41, 2573-2584.	2.9	48

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37	Uniform Lipopolysaccharide (LPS)-Loaded Magnetic Nanoparticles for the Investigation of LPS-TR4 Signaling. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 622-626.	13.8	44
38	Modulation of CD14 and TLR4-MD2 Activities by a Synthetic Lipid A Mimetic. <i>ChemBioChem</i> , 2014, 15, 250-258.	2.6	44
39	A Single Bacterial Immune Evasion Strategy Dismantles Both MyD88 and TRIF Signaling Pathways Downstream of TLR4. <i>Cell Host and Microbe</i> , 2015, 18, 682-693.	11.0	44
40	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , 2012, 142, 41-47.	2.5	42
41	Luminescent Conjugates between Dinuclear Rhenium Complexes and Peptide Nucleic Acids (PNA): Synthesis, Photophysical Characterization, and Cell Uptake. <i>Organometallics</i> , 2012, 31, 5918-5928.	2.3	40
42	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. <i>Cell</i> , 2022, 185, 614-629.e21.	28.9	40
43	Targeting innate immunity by blocking CD14: Novel approach to control inflammation and organ dysfunction in COVID-19 illness. <i>EBioMedicine</i> , 2020, 57, 102836.	6.1	37
44	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 1747-1757.	8.2	36
45	Differences in lipopolysaccharide-induced signaling between conventional dendritic cells and macrophages. <i>Immunobiology</i> , 2010, 215, 709-712.	1.9	35
46	Luminescent Rhenium and Ruthenium Complexes of an Amphoteric Poly(amidoamine) Functionalized with 1,10-Phenanthroline. <i>Inorganic Chemistry</i> , 2012, 51, 12776-12788.	4.0	35
47	A Dairy Bacterium Displays <i>In Vivo</i> Probiotic Properties for the Pharyngeal Mucosa by Antagonizing Group A Streptococci and Modulating the Immune Response. <i>Infection and Immunity</i> , 2010, 78, 4734-4743.	2.2	34
48	Inflammatory role of dendritic cells in Amyotrophic Lateral Sclerosis revealed by an analysis of patients' peripheral blood. <i>Scientific Reports</i> , 2017, 7, 7853.	3.3	33
49	Interfering with SARS-CoV-2: are interferons friends or foes in COVID-19?. <i>Current Opinion in Virology</i> , 2021, 50, 119-127.	5.4	32
50	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , 2016, 8, 1039-1051.	6.9	30
51	Induction of Peripheral T Cell Tolerance by Antigen-Presenting B Cells. II. Chronic Antigen Presentation Overrides Antigen-Presenting B Cell Activation. <i>Journal of Immunology</i> , 2006, 176, 4021-4028.	0.8	29
52	The dendritic cell life cycle. <i>Cell Cycle</i> , 2009, 8, 3816-3821.	2.6	29
53	Wiskott-Aldrich syndrome protein deficiency in natural killer and dendritic cells affects antitumor immunity. <i>European Journal of Immunology</i> , 2014, 44, 1039-1045.	2.9	29
54	Inhibition of Lipid-A Stimulated Activation of Human Dendritic Cells and Macrophages by Amino and Hydroxylamino Monosaccharides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3308-3312.	13.8	28

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55	The regulatory role of dendritic cells in the induction and maintenance of T-cell tolerance. <i>Autoimmunity</i> , 2011, 44, 23-32.	2.6	28
56	Murein Lytic Enzyme TgaA of <i>Bifidobacterium bifidum</i> MIMBb75 Modulates Dendritic Cell Maturation through Its Cysteine- and Histidine-Dependent Amidohydrolase/Peptidase (CHAP) Amidase Domain. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5170-5177.	3.1	27
57	Zinc-dependent histone deacetylases drive neutrophil extracellular trap formation and potentiate local and systemic inflammation. <i>IScience</i> , 2021, 24, 103256.	4.1	26
58	Induction of Peripheral T Cell Tolerance by Antigen-Presenting B Cells. I. Relevance of Antigen Presentation Persistence. <i>Journal of Immunology</i> , 2006, 176, 4012-4020.	0.8	24
59	The Immune Response Is Initiated by Dendritic Cells via Interaction with Microorganisms and Interleukin-2 Production. <i>Journal of Infectious Diseases</i> , 2003, 187, S346-S350.	4.0	23
60	Self-tolerance, dendritic cell (DC)-mediated activation and tissue distribution of natural killer (NK) cells. <i>Immunology Letters</i> , 2007, 110, 6-17.	2.5	23
61	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , 2010, 6, 10.	0.1	23
62	Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. <i>Science Immunology</i> , 2017, 2, .	11.9	22
63	The Timing of IFN-2 Production Affects Early Innate Responses to <i>Listeria monocytogenes</i> and Determines the Overall Outcome of Lethal Infection. <i>PLoS ONE</i> , 2012, 7, e43455.	2.5	22
64	Deep-sea microbes as tools to refine the rules of innate immune pattern recognition. <i>Science Immunology</i> , 2021, 6, .	11.9	21
65	Image filtering for two-photon deep imaging of lymphonodes. <i>European Biophysics Journal</i> , 2008, 37, 979-987.	2.2	20
66	Cream Formulation Impact on Topical Administration of Engineered Colloidal Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0126366.	2.5	20
67	The Regulatory Role of Dendritic Cells in the Immune Response. <i>International Archives of Allergy and Immunology</i> , 2004, 134, 179-185.	2.1	19
68	Dooming Phagocyte Responses: Inflammatory Effects of Endogenous Oxidized Phospholipids. <i>Frontiers in Endocrinology</i> , 2021, 12, 626842.	3.5	18
69	Dendritic Cells in the Cross Hair for the Generation of Tailored Vaccines. <i>Frontiers in Immunology</i> , 2018, 9, 1484.	4.8	17
70	Cellular and molecular mechanisms of antifungal innate immunity at epithelial barriers: The role of C-type lectin receptors. <i>European Journal of Immunology</i> , 2020, 50, 317-325.	2.9	15
71	Inositol 1,4,5-trisphosphate 3-kinase B promotes Ca ²⁺ mobilization and the inflammatory activity of dendritic cells. <i>Science Signaling</i> , 2021, 14, .	3.6	15
72	Migratory conventional dendritic cells in the induction of peripheral T cell tolerance. <i>Journal of Leukocyte Biology</i> , 2013, 94, 903-911.	3.3	13

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73	Bariatric surgery, compared to medical treatment, reduces morbidity at all ages but does not reduce mortality in patients aged ≥ 43 years, especially if diabetes mellitus is present: a post hoc analysis of two retrospective cohort studies. <i>Acta Diabetologica</i> , 2020, 57, 323-333.	2.5	13
74	To the Editor. <i>European Journal of Immunology</i> , 2006, 36, 2819-2820.	2.9	12
75	Preparation of Single-cell Suspensions for Cytofluorimetric Analysis from Different Mouse Skin Regions. <i>Journal of Visualized Experiments</i> , 2016, , e52589.	0.3	12
76	Role of Toll like receptor-activated dendritic cells in the development of autoimmunity. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4817.	3.0	11
77	Efficient treatment of a preclinical inflammatory bowel disease model with engineered bacteria. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 218-226.	4.1	11
78	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia. <i>Immunity</i> , 2022, 55, 224-236.e5.	14.3	11
79	Dendritic Cells and Macrophages: Same Receptors but Different Functions. <i>Current Immunology Reviews</i> , 2009, 5, 311-325.	1.2	10
80	rBet v 1 immunotherapy of sensitized mice with <i>Streptococcus thermophilus</i> as vehicle and adjuvant. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 1228-1237.	3.3	10
81	Are nanotechnological approaches the future of treating inflammatory diseases?. <i>Nanomedicine</i> , 2019, 14, 2379-2390.	3.3	8
82	Systemically administered DNA and fowlpox recombinants expressing four vaccinia virus genes although immunogenic do not protect mice against the highly pathogenic IHD-J vaccinia strain. <i>Virus Research</i> , 2013, 178, 374-382.	2.2	6
83	Editorial: Interferon- γ : New Regulators of Inflammatory Processes. <i>Frontiers in Immunology</i> , 2019, 10, 2117.	4.8	6
84	Dissecting the common and compartment-specific features of COVID-19 severity in the lung and periphery with single-cell resolution. <i>IScience</i> , 2021, 24, 102738.	4.1	6
85	The Nature of Activatory and Tolerogenic Dendritic Cell-Derived Signal 2. <i>Frontiers in Immunology</i> , 2014, 5, 42.	4.8	5
86	Accumulative Difference Image Protocol for Particle Tracking in Fluorescence Microscopy Tested in Mouse Lymphnodes. <i>PLoS ONE</i> , 2010, 5, e12216.	2.5	5
87	Deep Dermal Injection As a Model of <i>Candida albicans</i> Skin Infection for Histological Analyses. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	4
88	Microbiome studies in the medical sciences and the need for closer multidisciplinary interplay. <i>Science Signaling</i> , 2020, 13, .	3.6	4
89	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor-binding domain vaccine in aged mice. <i>Science Translational Medicine</i> , 2021, , eabj5305.	12.4	4
90	The Nature of Activatory and Tolerogenic Dendritic Cell-Derived Signal 2. <i>Frontiers in Immunology</i> , 2013, 4, 198.	4.8	3

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91	Anti-type I interferon antibodies as a cause of severe COVID-19. , 0, 11, .		2
92	Transcriptional Profiling of Dendritic Cells in Response to Pathogens. , 2006, , 461-486.		0
93	Two photon microscopy intravital study of DC-mediated anti-tumor response of NK cells. Proceedings of SPIE, 2010, , .	0.8	0
94	Modeling Leukocyte-Leukocyte Non-Contact Interactions in a Lymph Node. PLoS ONE, 2013, 8, e76756.	2.5	0
95	<i>JEM</i> career launchpad. Journal of Experimental Medicine, 2021, 218, .	8.5	0
96	CD14â€dependent and TLRâ€independent Ca ²⁺ /calcineurin pathway activation by LPS in dendritic cells leading to efficient COXâ€2 production. FASEB Journal, 2008, 22, 672.11.	0.5	0